

## ABSTRACT OF THE DISCLOSURE

There is provided an INAP processing method for communication between an SSP and TCAP. When an INAP message is sent from the INAP of the SSP to the TCAP, a TC component to be transmitted is generated, an invoke ID and dialogue ID are allocated to the generated TC component, a TC primitive corresponding to the state of an allocated dialogue is created and encoded, to be sent to the TCAP through the TCAP interface block. In case where the INAP of an SSP receives an INAP message from the TCAP, the received INAP message is decoded based on the type thereof and a corresponding SCP relationship object is found using the dialogue ID included in the decoded INAP message. When the TC component and TC primitive are contained in the decoded message, the TC primitive is executed first and then the TC component is processed. When a corresponding call has been processed, the found SCP relationship object is deleted, finishing the dialogue with the SCP. Accordingly, various applications in the SSP can freely communicate with the TCAP using the INAP message.